

Commission Briefing on BDCP

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*Bay Conservation and Development Commission
Feb. 7, 2013*

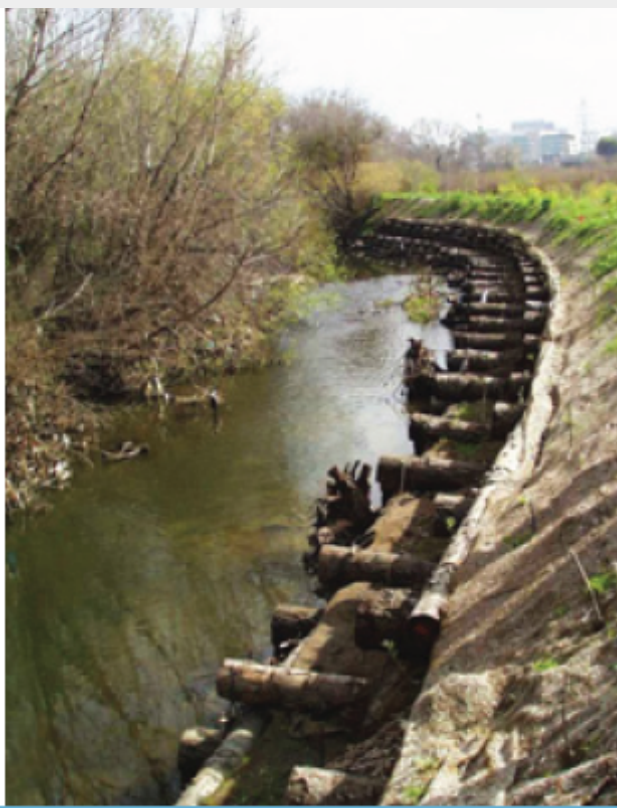
Santa Clara Valley
Water District



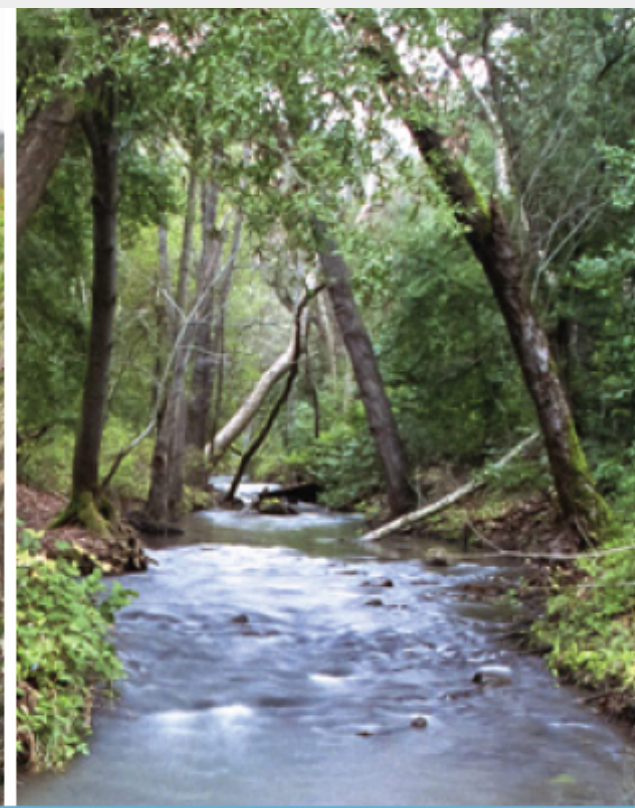
A comprehensive mission



SAFE, RELIABLE WATER



FLOOD PROTECTION

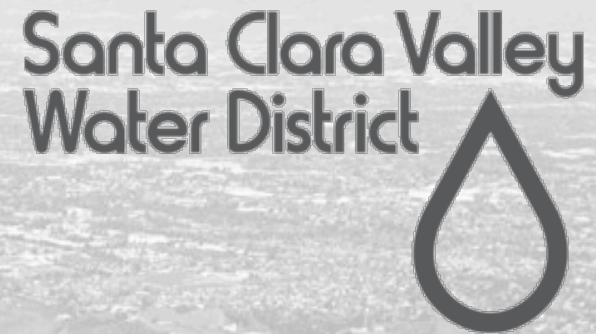


STREAM STEWARDSHIP

Today we serve

1800's > 1900's - 1920's > 1930's - 1950's > 1960's - 1970's > 1980's - 1990's > 2000's - 2010's > Today

- 1.8 million people
- 15 cities; 12 retailers
- 4,700 direct well owners
- Hundreds of farms and ranches
- 121 billion gallons annually



From Valley of Heart's Delight to Silicon Valley

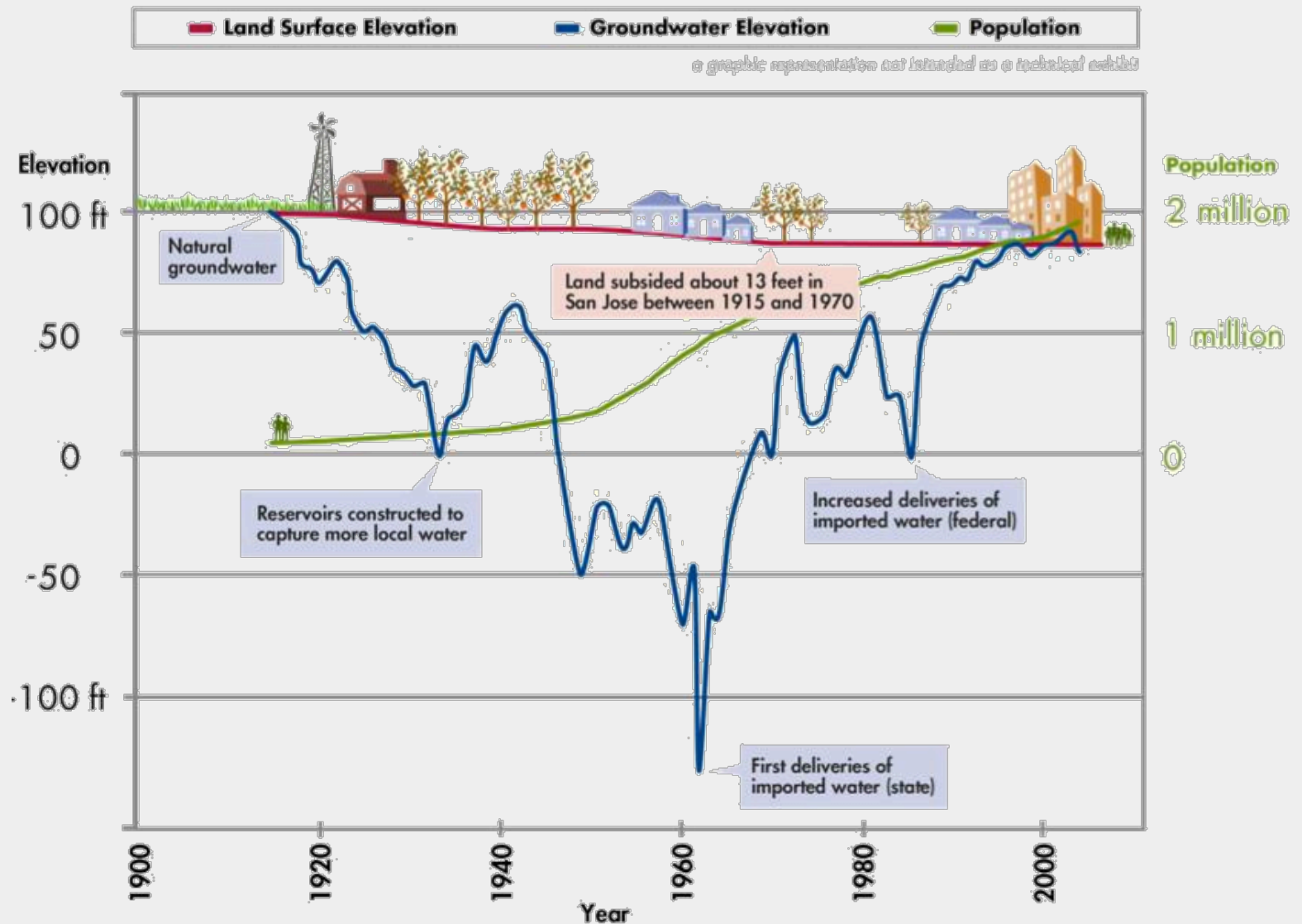


CITY OF SAN JOSE, CAL. 1875.



From Valley of Heart's Delight to Silicon Valley

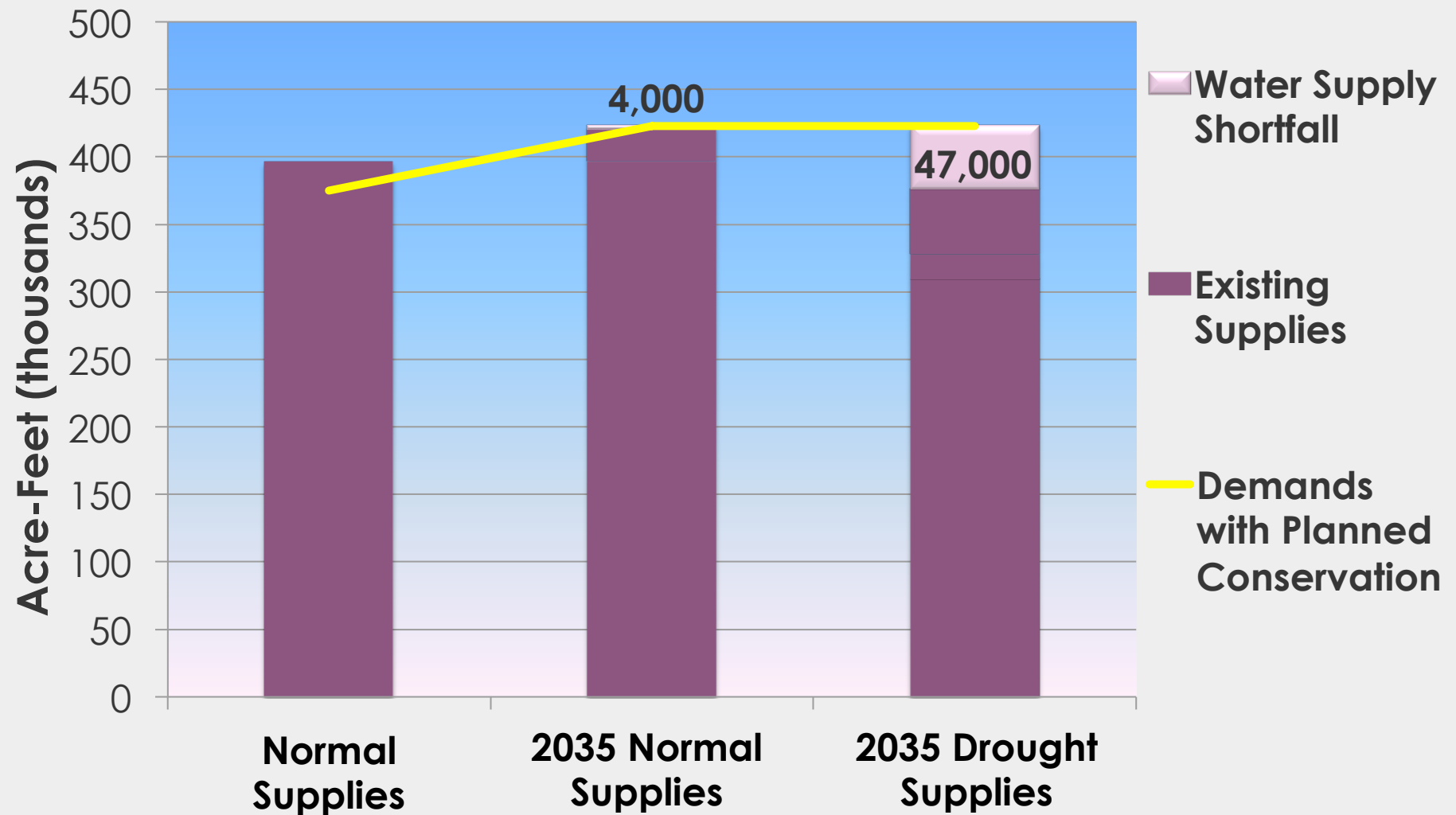
1800's > 1900's - 1920's > 1930's - 1950's > 1960's - 1970's > 1980's - 1990's > 2000's - 2010's > Today



1800's > 1900's - 1920's > 1930's - 1950's > 1960's - 1970's > 1980's - 1990's > 2000's - 2010's > Today



Growing water demand to create shortfalls



Diversified portfolio for a reliable supply

Imported water



Local surface & groundwater



Conservation



Recycled Water



How we plan to fill the gap

Meeting future needs through conservation and recycling

- **Additional conservation**
- New groundwater recharge ponds
- **Additional non-potable recycling (20,000 AF)**
- **Potable reuse (20,000-30,000 AF)**

Expand water supply sources

Today - 2018

siliconvalley



ADVANCED WATER
PURIFICATION CENTER



Photo by C. Hearn

Advanced Water Purification Center – under construction 2012

Indirect potable re-use

Today > 2020's - 2030's

**NONPOTABLE
WATER REUSE**



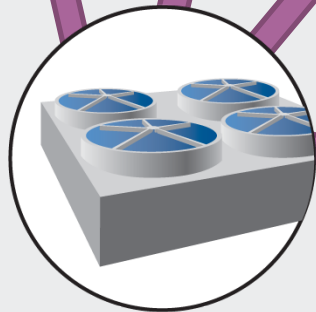
INDUSTRY



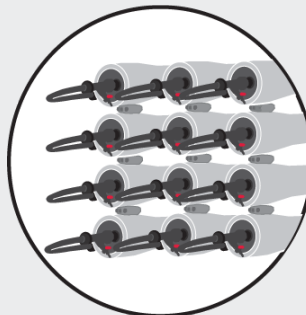
AGRICULTURE



LANDSCAPE



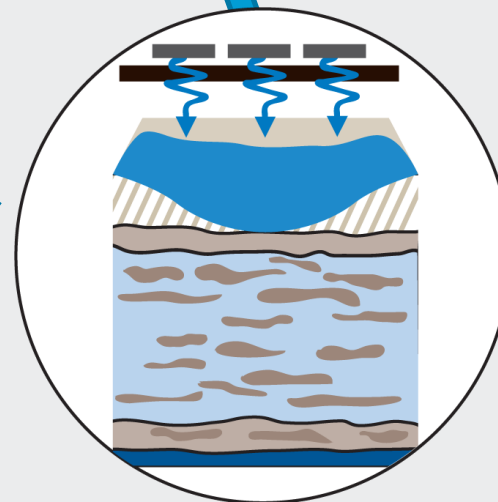
WASTEWATER
TREATMENT PLANT



ADVANCED WATER
TREATMENT



**POTABLE
WATER REUSE**



RECHARGE BASINS

EFFLUENT DISCHARGE TO THE BAY

Restore reliable delta conveyance

Today > 2020's - 2030's



Board Policy and CEO Interpretations

Ends Policy 2: There is a reliable, clean water supply for current and future generations.

E-2.1.3 **Protect, maintain and develop imported water.**

CEO Strategy **S-2.1.3.2** **Aggressively pursue the Delta solution.**

CEO Direction
D 2.1.3.2.a The District's **desired outcome** is a **cost-effective, comprehensive, long-term solution** for the Delta that **meets the water supply, water supply reliability, and water quality needs** of Santa Clara County while balancing other beneficial uses and providing a **sustainable Delta ecosystem**.

D 2.1.3.2.b The District supports moving forward with environmental review and feasibility studies for a long-term Delta solution, including analyses of a **dual Delta conveyance** and a **full range of isolated facility sizes**.

D 2.1.3.2.c **Continuing to rely solely on existing through-Delta conveyance** for the District's imported water supplies **is not acceptable** because of the **instability of existing Delta levees, underlying seismic risks, increasing threats** of altered hydrology and sea level rise due to **climate change, and ongoing regulatory uncertainty** and concerns over the environmental health of the Delta.

D 2.1.3.2.d The long-term Delta solution should promote **a resilient Delta ecosystem** by basing all actions on **sound science and addressing the full range of environmental stressors**, including toxics, invasive species, and all watershed diverters.

The path towards sustainability

- Invest in local and regional water infrastructure
- Provide for reliable water supply
- Restore the Delta ecosystem



THEY BUILT IT FOR US.
WE MUST REBUILD IT FOR THEM.
INVEST IN WATER